

Climate Action Revenue Incentive Plan (CARIP) Public Report

Climate Action Revenue Incentive (CARIP) Public Report for 2012

*The Corporation of the City
of Rossland
Kootenay Boundary RD*

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General Information

Name of Local Government	<i>The Corporation of the City of Rossland</i>
Member of Regional District (RD)	<i>Kootenay Boundary RD</i>
Regional Growth Strategy (RGS) in region	<i>No</i>
Population	<i>3554</i>

Community-Wide Actions for 2012

1.1 Measure

Community-Wide Measurement Actions

Question	Have you been using the <i>Community Energy and Emissions Inventory (CEEI)</i> to measure progress? What else have you been using instead of/in addition to CEEI?
Answer	No
Additional Information	<i>In 2008, The Regional District of East Kootenay and the Regional District of Kootenay Boundary started the Carbon Neutral Kootenays project. Baseline data was collected for both Regional Districts and all the municipalities within those Districts. The City of Roseland's baseline inventory was compiled for the year 2008 at the time.</i>

1.2 Plan

Community-Wide Targets

Question	Do your OCP(s) have targets, policies and actions to reduce GHG emissions, as per the requirements under the <i>Local Governments Act (LGA)</i> ? If yes, please identify the targets set. If no or in progress, please comment.
Answer	Yes
Additional Information	<i>The City of Roseland amended the OCP early in 2010 to bring the municipality into compliance with Bill 27 and to set a GHG reduction a target of 33% below Roseland's 2007 GHG emissions' levels by 2020.</i>

Question	If you are a Regional District, does your RGS have targets, policies and actions to reduce GHG emissions, as per the requirements under the <i>Local Governments Act (LGA)</i> ? If yes, please identify the targets set. If no or in progress, please comment.
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Answer	
Additional Information	

1.3 Reduce

Supportive Community-Wide Actions

Action Type	Broad Planning (e.g. creation/revision of OCPs, CEPs, transportation plans)
Actions Taken this Year	<i>- Continue to support Sustainability Commission in education and planning initiatives. - Move towards implementing the Communities Adapting to Climate Change Plan by developing a new Subdivision and Servicing Bylaw that is resilient to Climate Change. Implemented new zoning bylaw (2518).</i>
Proposed Actions for Next Year	<i>- Continue to support Sustainability Commission in education and planning initiatives. - Adopt new Subdivision and Servicing Bylaw that is resilient to climate change.</i>

Action Type	Building and Lighting (e.g. developed green building policy, increased density in the downtown)
Actions Taken this Year	-
Proposed Actions for Next Year	-

Action Type	Energy Generation (e.g. signed on to provincial 'solar ready' regulation, explored options for bioheating for buildings)
Actions Taken this Year	-
Proposed Actions for Next Year	-

Action Type	Green Space (e.g. developed urban forestry policy, adopted park acquisition policy)
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Actions Taken this Year	-
Proposed Actions for Next Year	-

Action Type	Transportation (e.g. developed sustainable transportation plan, completed bicycle master plan)
Actions Taken this Year	<i>- Continue to lobby BC Transit for increase bus service to Red Mountain. - Continue to implement Active Transportation Plan.</i>
Proposed Actions for Next Year	<i>- Continue to lobby BC Transit for increase bus service to Red Mountain. - Continue to implement Active Transportation Plan.</i>

Action Type	Waste (e.g. introduced composting and recycling education programs)
Actions Taken this Year	-
Proposed Actions for Next Year	-

Action Type	Water/Sewer (e.g. participated in water smart initiatives, implemented Water Action Plan, introduced rebates on low flush toilets)
Actions Taken this Year	<i>Participated in the Water Smart Ambassador Program, and continue to implement the Water Smart Action Plan .</i>
Proposed Actions for Next Year	<i>Participate in the Water Smart Ambassador Program, and continue to implement the Water Smart Action Plan .</i>

Action Type	Other Actions
Actions Taken this Year	-
Proposed Actions for Next Year	-

Direct Community-Wide Actions

Action Type	Buildings (e.g. implement use of sustainability checklists and development permit guidelines for new buildings)
Actions Taken this Year	-
Proposed Actions for Next Year	-

Action Type	Energy Generation (e.g. implement district energy, geothermal, solar)
Actions Taken this Year	-
Proposed Actions for Next Year	-

Action Type	Transportation (e.g. implement bike lanes, pedestrian paths, upgrade transit service and infrastructure, improve roads, parking fees etc.)
Actions Taken this Year	<p><i>- Opened main trunk trail (2 km) connecting Redstone Golf Course to downtown and awarded CIPP grant (\$25,000) for an additional 2 km section above Columbia Ave – to be completed in 2013 - each part of the 2009 Active Transportation Plan (ATP).</i></p> <p><i>- Approved use of Resort Municipality Funding for a transit service to Red Mountain</i></p>
Proposed Actions for Next Year	Complete 2 kilometres of trail connecting Lower Rossland to Upper Rossland and the downtown to the museum.

Action Type	Waste (e.g. introduce composting and recycling programs)
Actions Taken this Year	<i>Offered Spring and Fall cleanup program for organic waste to reduce individual vehicle traffic to the landfill in Trail and to reduce illegal dumping of waste.</i>

Proposed Actions for Next Year	Continue to offer Spring and Fall cleanup program for organic waste to reduce individual vehicle traffic to the landfill in Trail and to reduce illegal dumping of waste.
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Action Type	Water/Sewer (e.g. implement water conservation and reduction initiatives)
Actions Taken this Year	<ul style="list-style-type: none"> - Reached 95% compliance in water meter installation with the Water Meter Incentive program. - Hired a Water Smart Ambassador to educate the community on water conservation.
Proposed Actions for Next Year	Complete the Water Meter Incentive program and reach 100% compliance in installing water meters.

Action Type	Green Space (e.g. plant trees, conserve forest etc.)
Actions Taken this Year	<ul style="list-style-type: none"> - Require parkland dedication from major subdivisions particularly focused on riparian areas. - Replanted some trees taken from downtown infrastructure upgrade in several City Parks.
Proposed Actions for Next Year	Continue to require parkland dedication from major subdivisions.

Action Type	Other Actions
Actions Taken this Year	Wrapped up the "Rosland on an Energy Diet" in association with Fortis BC, Columbia Basin Trust and Nelson and District Credit Union. The results are not final yet -- homeowners have until March 2013 to conduct their final audit and claim grants -- but even preliminary results are impressive: 22% of homes signed up (257 dwellings), and 12% of the community's homes have already accessed grants. Essentially all of Rosland's small businesses (35) participated. All actions totaled resulted in an estimated annual savings of 2,220 GJ natural gas and 1,478,000 kWh electricity, 338 tonnes of avoided GHG emissions.

Proposed Actions for Next Year	-
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1.4 Community Wide Innovation

Question	<p>Is there any activity that you have been engaged in over the past year(s) that you are particularly proud of and would like to share with other local governments? Please describe and add links to additional information where possible.</p>
Answer	<p><i>Received an honorable mention for the 2012 Climate and Energy Action Awards for the "Rosland on an Energy Diet". In collaboration with FortisBC, Columbia Basin Trust and Nelson and District Credit Union the Energy Diet involved both residential and commercial initiatives. Residents signed up for free energy audits (funded by FortisBC, conducted en masse) which gave them recommended energy saving options. Grants were available under the Federal EcoEnergy Program, FortisBC's rebates and LiveSmart BC at up to \$19,000 per household, and homeowners were able to apply for low-interest loans to bridge the financing until the rebates came in. On the commercial side, FortisBC funded free audits of Rosland's small businesses and installed free lighting retrofits as part of its FLIP Program. A free CFL lightbulb exchange and blanket distribution of energy savings kits targeted non-participants.</i></p>

Corporate Actions for 2012

2.1 Measure

Corporate Measurement Actions

Question	What steps has your local government taken toward completing its corporate emissions inventory (e.g. corporate assets identified related to energy and fuel data and calculated GHG emissions from energy use)?
Answer	<i>In 2008, The Regional District of East Kootenay and the Regional District of Kootenay Boundary started the Carbon Neutral Kootenays project. Baseline data was collected for both Regional Districts and all the municipalities within those Districts. The City of Rossland's baseline inventory was compiled for the year 2008 at the time.</i>

Question	What tool are you using to measure, track and report on your corporate emissions (e.g. SMARTtool, other tools including excel spreadsheets)?
Answer	SMARTtool

2.2 Reduce

Supportive Corporate Actions

Action Type	Broad Planning (e.g. <i>developed corporate climate action plan</i>)
Actions Taken this Year	-
Proposed Actions for Next Year	-

Action Type	Building and Lighting (e.g. <i>developed energy reduction plan for all corporate buildings</i>)
Actions Taken	

this Year	-
Proposed Actions for Next Year	-

Action Type	Energy Generation (e.g. undertook feasibility study of green energy generation for civic buildings)
Actions Taken this Year	-
Proposed Actions for Next Year	Plan to investigate the possibility of power generation from water & waste water sources.

Action Type	Transportation (e.g. created anti-idling policy for city vehicles, bike to work week promotion)
Actions Taken this Year	-
Proposed Actions for Next Year	-

Action Type	Waste(e.g. completed waste audit of City Hall)
Actions Taken this Year	-
Proposed Actions for Next Year	-

Action Type	Water/Sewer (e.g. completed study of sewer and water energy use)
Actions Taken this Year	Continuing to participate in Liquid Waste Management Plan-Stage 2 for a new

	<i>regional sewer service.</i>
Proposed Actions for Next Year	<i>Continue to participate in Liquid Waste Management Plan-Stage 2 for a new regional sewer service.</i>

Action Type	Other Actions
Actions Taken this Year	
Proposed Actions for Next Year	

Direct Corporate Actions

Action Type	Building and Lighting (e.g. energy efficiency retrofits to municipal buildings)
Actions Taken this Year	<ul style="list-style-type: none"> - <i>Replaced 44 streetlights downtown with LED lights.</i> - <i>Replaced Christmas lights with LED lights.</i> - <i>Replaced hot water tank in City Shop with new on demand hot water system.</i>
Proposed Actions for Next Year	-

Action Type	Energy Generation (e.g. implemented heat recovery systems, solar)
Actions Taken this Year	-
Proposed Actions for Next Year	-

Action Type	Fleet (e.g. anti-idling policies for fleet vehicles, purchasing of hybrid)
Actions Taken this Year	<ul style="list-style-type: none"> - <i>Replaced sweeper truck and bucket truck with more efficient vehicles.</i>
Proposed Actions for Next Year	-

Action Type	Waste (e.g. introduction of composting and recycling programs and education)
Actions Taken this Year	<ul style="list-style-type: none"> - <i>Reduced paper use by encouraging double sided copying.</i> - <i>Continued with internal recycling practices.</i> - <i>Diverted 1100 truck loads of asphalt grindings from landfills and reused the grindings in new projects.</i> - <i>Council continues to use laptops instead of printing Council Agendas.</i>

Proposed Actions for Next Year	-

Action Type	Water/Sewer (e.g. initiated water conservation and reduction initiatives)
Actions Taken this Year	<ul style="list-style-type: none"> - <i>Approximately 450 metres of new sewer, water and storm mains to replacing ageing lines and effectively eliminating emergency repairs to routine breaks; reducing labour & fuel demands.</i> - <i>Upgraded sprinkler system at Cooke Ave Ball Park to a more efficient system.</i> - <i>Installed rain sensors on all City Park sprinkler system timers.</i> - <i>Improved drainage through 3 downtown blocks drained by in-lane swales to mitigate previous ponding and blockage against curbs, reducing call-out based demand for labour/fuel</i>
Proposed Actions for Next Year	-

Action Type	Green Space (e.g. planting of trees)
Actions Taken this Year	<ul style="list-style-type: none"> - <i>Planted 54 large caliper trees flanking three city blocks supported by automated irrigation, reducing labour/fuel demand, improving canopy, and overall tree health.</i> - <i>Introduced new local xeriscape plants supported by irrigation system to downtown during revitalisation.</i>
Proposed Actions for Next Year	-

Action Type	Other Actions
Actions Taken this Year	-
Proposed Actions for Next Year	-

2.3 Corporate Innovations

Question	Is there any activity that you have been engaged in over the past year(s) that you are particularly proud of and would like to share with other local governments? Please describe and add links to additional information where possible.
Answer	-

Carbon Neutral Progress Reporting

Tonnes CO2e

Annual corporate emissions using SMARTTool or equivalent inventory tool	397.97
<i>Emissions from services delivered directly by the local government</i>	373.37
<i>Emissions from contracted services</i>	24.6
	0
Less:	
GHG reductions being claimed for this reporting year from Option 1 - GHG reduction project	
<i>Energy Efficient Building Retrofits and Fuel Switching</i>	
<i>Solar Thermal</i>	
<i>Household Organic Waste Composting</i>	
<i>Low Emissions Vehicles</i>	
	0
Less:	
GHG reductions being claimed for this reporting year from Option 2 - GHG reduction projects	
<i>Please list all Option 2 Projects Implemented (insert title of the projects(s) as per project plan template. If you have more than two Option 2 projects you can add more lines at the bottom of this sheet)</i>	
	400
Less:	
Offsets purchased for this reporting year (Option 3). Please identify your offset provider in the offset provider information section below.	
	-2.03
Balance of corporate emissions for this reporting year.	
<i>(If the corporate emissions balance is zero, your local government is carbon neutral for this reporting year)</i>	

Making Progress on Your Carbon Neutral Commitment

Question	Balance of corporate emissions for this reporting year. <i>(If the corporate emissions balance is zero, your local government is carbon neutral for this reporting year)</i>
Answer	Zero

Offset Provider	DARKWOODS INITIATIVE
We have already purchased	
Or, will purchase by June 1, 2013	YES